



Times Wide World, 1931
DR. ARTHUR E. KENNELLY

A. E. KENNELLY DIES; EX-AIDE OF EDISON

Taught Electrical Engineering
at Harvard, 1902-30, and at
M. I. T. From 1913-24

RECEIVED MANY HONORS

Edison Gold Medal Award to
Him in 1933—Co-Discoverer
of 'Heaviside Layer'

SPECIAL TO THE NEW YORK TIMES.

BOSTON, June 18. — Dr. Arthur Edwin Kennelly, professor emeritus of electrical engineering at Harvard University and Massachusetts Institute of Technology, and at one time principal assistant to Thomas Edison, died today at the Phillips House after a long illness. He was 77 years old.

A national authority in his field, Dr. Kennelly received the French Cross of the Legion of Honor in 1922 for his work. In 1933 he received the annual Edison Gold Medal for "meritorious achievement in electrical science, electrical engineering and electrical arts." Winners of the medal have included George Westinghouse and Alexander Graham Bell. He also received the gold medal from the Franklin Institute of Philadelphia for his invention of the hot wire anemometer.

A native of Bombay, India, Dr. Kennelly was educated in private schools in France and England and at University College School, London. He served as Professor of Electrical Engineering at Harvard, 1902-30, and at Massachusetts Institute of Technology, 1913-24.

Early Aide to Edison

Dr. Kennelly devoted nearly his entire life to electrical work and in his earlier years was chief electrician of a cable repairing steamer and senior ship's electrician for the Eastern Telegraph Cable Company. He was principal electrical assistant to Thomas Edison from 1887 to 1894 and a member of the firm of Houston & Kennelly, Philadelphia consulting electrical engineers, from 1894 until he went to Harvard.

Among his accomplishments was the co-discovery with the English mathematician, Oliver Heaviside, of the ionized layer surrounding the earth, now popularly known as the "Kennelly-Heaviside Layer."

Dr. Kennelly, who held honorary degrees from Harvard, the University of Pittsburgh, University of Toulouse, France, and the University of Darmstadt, was the first exchange professor sent to France from America under the scheme of regular annual exchange of professors in engineering and applied science. He also was engineer in charge of laying the Veracruz-Frontera-Campeche cables for the Mexican Government in 1902.

He was president of the American Institute of Electrical Engineering, 1898-1900; Society for Promotion of the Metric-System of Weights and Measures, 1904; Illuminating Engineering Society, 1911, and the Institute of Radio Engineers, 1916.

Honored by Many Societies

He was an honorary member of the institutes of electrical engineers of France, Germany, Great Britain, Japan and the United States, and an honorary member of the New York Electrical Society, American Electro-Therapeutic Association, and National Electric Light Association.

Dr. Kennelly was also a corresponding member of the British Association for the Advancement of Science, a member of the National Academy of Sciences and a vice president of the American Academy of Arts and Sciences, as well as a member of numerous other scientific organizations. He was the author of nearly a score of books on electrical subjects.

Surviving are a son, Reginald Grice Kennelly, with whom he lived at 1 Kennedy Road, Cambridge.